**EAST Search History**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| L4 | 9 | 2003/0230898 | US-PGPUB; USPAT | ADJ | ON | 2009/05/07 07:41 |
| L5 | 1 | "20030230898".PN. | US-PGPUB | ADJ | ON | 2009/05/07 07:42 |
| L6 | 53 | (US-20080213083-$ or US-20070177970-$ or US-20070189889-$ or US-20050253396-$ or US-20050285406-$ or US-20030091436-$ or US-20090092490-$ or US-20080121752-$ or US-20030223868-$ or US-20060140764-$ or US-20040041405-$).did. or (US-7258527-$ or US-4247253-$ or US-5503525-$ or US-4415312-$ or US-4082479-$ or US-4504192-$ or US-4247252-$ or US-4435646-$ or US-4410806-$ or US-7419356-$ or US-4715782-$ or US-5269652-$ or US-7293959-$ or US-7204674-$ or US-6682302-$ or US-5570997-$ or US-5570859-$ or US-5320491-$ or US-3874816-$ or US-6644919-$ or US-6474945-$ or US-5639215-$ or US-5096378-$ or US-3812812-$ or US-2625997-$ or US-2443808-$).did. or (US-4764090-$ or US-4355955-$ or US-6752595-$ or US-4565929-$ or US-5193978-$ or US-4204805-$ or US-4115032-$).did. or (US-2616509-$ or US-3451644-$ or US-2476002-$).did. or (JP-2006258083-$).did. or (US-4764090-$ or DE-4434764-$ or SU-1281740-$ or DE-3434050-$ or US-4082479-$).did. | US-PGPUB; USPAT; USOCR; JPO; DERWENT | ADJ | ON | 2009/05/07 07:43 |
| L9 | 37 | 6 and control | US-PGPUB; USPAT | ADJ | ON | 2009/05/07 07:44 |

| L12 | 3 | ("416".clas. or "290".clas.) and wind turbine with control and (tip (speed or velocity) or circumferen$4 (speed or velocity)) with (setpoint or set$point or set point or lower limit or prescribed or cut$in or cutin or cut in or cut out or cut$out or cut out) | US-PGPUB; USPAT | ADJ | ON | 2009/05/07 07:56 |
| L13 | 6 | wind turbine same control and (tip (speed or velocity) or circumferen$4 (speed or velocity)) with (setpoint or set$point or set point or lower limit or prescribed or cut$in or cutin or cut in or cut out or cut$out or cut out) | US-PGPUB; USPAT | ADJ | ON | 2009/05/07 08:03 |
| L14 | 18 | wind turbine same control and (tip (speed or velocity) or circumferen$4 (speed or velocity)) same (setpoint or set$point or set point or lower limit or prescribed or cut$in or cutin or cut in or cut out or cut$out or cut out) | US-PGPUB; USPAT | ADJ | ON | 2009/05/07 08:24 |
| L15 | 15385 | yokoi.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/07 11:12 |
| L16 | 10 | yokoi.in. and wind turbine | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/07 11:12 |
| S1 | 284 | (415/4.2).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/04/27 10:34 |
| S2 | 1 | ("4247253").PN. | US-PGPUB; USPAT | OR | OFF | 2009/04/27 11:18 |
| S3 | 175 | (415/4.4).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/04/27 11:26 |
| S4 | 116 | 415/4.4 NOT S1 | US-PGPUB; USPAT | ADJ | ON | 2009/04/27 11:27 |
| S5 | 117 | 415/4.4.ccls. NOT S1 | US-PGPUB; USPAT | ADJ | ON | 2009/04/27 11:27 |
| S6 | 32 | ("1835018" | "4082479").PN. OR ("4247253").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/27 13:31 |

| S7 | 26 | ("1786057" \| "2076520" \| "2148921" \| "3038543" \| "3348806" \| "3812812" \| "3918839").PN. OR ("4082479").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/27 13:51 |
|----|----|----|----|----|----|----|
| S8 | 0 | 290/44,54,55.ccls NOT S3 NOT S5 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/27 14:01 |
| S9 | 2719 | 290/44,54,55.ccls. NOT S3 NOT S5 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/27 14:01 |
| S10 | 567 | 290/44,54,55.ccls. NOT S3 NOT S5 and control with (rotation or revolution or wind speed or tip speed or ratio) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/27 14:02 |
| S11 | 11 | 290/44,54,55.ccls. NOT S3 NOT S5 and control with (rotation or revolution or wind speed or tip speed or ratio) and (starting torque) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/27 14:04 |
| S12 | 33 | 290/44,54,55.ccls. NOT S3 NOT S5 and control with (rotation or revolution or wind speed or tip speed or ratio) and (start$3 or brak $3) near torque | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/27 14:07 |
| S13 | 508 | 290/44,54,55.ccls. NOT S1 NOT S5 and control SAME (rotation or revolution or wind speed or tip speed) and (start$3 or brak$3) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/27 14:14 |
| S14 | 211 | 290/44,54,55.ccls. NOT S1 NOT S5 and control SAME (rotation or revolution or wind speed or tip speed) and (start$3 or brak$3) and (measur$3 or determin $3 or resolv$3) and (actuator or transducer or automat$5) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/27 14:20 |
| S15 | 285 | 416/23.ccls. NOT S1 NOT S5 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/27 14:51 |
| S16 | 0 | ("2003/0091436").URPN. | USPAT | ADJ | ON | 2009/04/27 15:14 |
| S17 | 1 | ("4715782").PN. OR ("7419356").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/27 15:18 |

| S18 | 37 | ("2058500" \| "2074149" \| "2216416" \| "2398713" \| "2545684" \| "2613072" \| "2949159" \| "2964111" \| "2986222" \| "4082479" \| "4180372" \| "4274807" \| "4297076" \| "4352634" \| "4355955" \| "4372732" \| "4374631" \| "4500257" \| "4557666" \| "4575309"). PN. OR ("4715782"). URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/27 15:20 |
|-----|-----|-----|-----|-----|-----|-----|
| S19 | 36 | ("1403069" \| "2400388" \| "2428936" \| "2442783" \| "2453403" \| "2616509" \| "2622686" \| "3184187" \| "3463420" \| "3874816" \| "3987984" \| "4247253" \| "4274011" \| "4498017" \| "4613760" \| "4692095" \| "5096378" \| "5320491" \| "5527151" \| "5570859" \| "5570997" \| "6015115" \| "6133716" \| "6420795" \| "6465902" \| "6523781" \| "6682302").PN. OR ("7204674").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/04 16:32 |
| S20 | 100664 | Vertical near3 (axis or shaft) or darrieus or giromill or sabonious or savonious | FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/05 09:09 |
| S21 | 20724 | Wind near3 (turbine or rotor or power unit or blade or energy converter or generator or farm) or aerogenerator | FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/05 09:09 |
| S22 | 110426 | Wind receiving (plate or surface) or spoiler or feather or flap | FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/05 09:09 |
| S23 | 2984699 | (pivot or hinge or swivel or open or close or spring or actuator) | FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/05 09:09 |
| S24 | 38417 | (control or measure) with (rpm or rotational speed or wind speed or revolution or circumferential velocity or tip speed) | FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/05 09:10 |
| S25 | 1 | S20 and S21 and S22 and S23 and S24 | FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/05 09:10 |

| S26 | 60 | S20 and S21 and S22 and S23 | FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/05 09:12 |
| S27 | 293348 | Vertical near3 (axis or shaft) or darrieus or giromill or sabonious or savonious | US-PGPUB; USPAT | ADJ | ON | 2009/05/05 09:19 |
| S28 | 8773 | Wind near3 (turbine or rotor or power unit or blade or energy converter or generator or farm) or aerogenerator | US-PGPUB; USPAT | ADJ | ON | 2009/05/05 09:19 |
| S29 | 147020 | Wind receiving (plate or surface) or spoiler or feather or flap | US-PGPUB; USPAT | ADJ | ON | 2009/05/05 09:19 |
| S30 | 3575652 | (pivot or hinge or swivel or open or close or spring or actuator) | US-PGPUB; USPAT | ADJ | ON | 2009/05/05 09:20 |
| S31 | 71360 | (control or measure) with (rpm or rotational speed or wind speed or revolution or circumferential velocity or tip speed) | US-PGPUB; USPAT | ADJ | ON | 2009/05/05 09:20 |
| S32 | 106 | S27 and S28 and S29 and S30 and S31 | US-PGPUB; USPAT | ADJ | ON | 2009/05/05 09:20 |
| S33 | 284 | (415/4.2).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/05/05 09:48 |
| S34 | 117 | 415/4.4.ccls. NOT S33 | US-PGPUB; USPAT | ADJ | ON | 2009/05/05 09:48 |
| S35 | 285 | 416/23.ccls. NOT S33 NOT S34 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/05 09:48 |
| S36 | 209 | 416/87.ccls. NOT S35 NOT S33 NOT S34 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/05 09:48 |
| S43 | 50 | (US-20080213083-$ or US-20070224029-$ or US-20070177970-$ or US-20070189889-$ or US-20050253396-$ or US-20050285406-$ or US-20030091436-$ or US-20080226448-$ or US-20090092490-$ or US-20080121752-$ or US-20030223868-$).did. or (US-7258527-$ or US-4247253-$ or US-5518367-$ or US-5503525-$ or US-4415312-$ or US-4082479-$ or US-4504192-$ or US-4247252-$ or US-4435646-$ or US-4410806-$ or US- | US-PGPUB; USPAT; USOCR; JPO; DERWENT | ADJ | ON | 2009/05/05 10:01 |

| | | 7419356-$ or US-4715782-$ or US-5269652-$ or US-7293959-$ or US-7204674-$ or US-6682302-$ or US-5570997-$ or US-5570859-$ or US-5320491-$ or US-3874816-$ or US-6644919-$ or US-6474945-$ or US-5639215-$ or US-5096378-$ or US-3812812-$ or US-2625997-$).did. or (US-2443808-$ or US-4764090-$ or US-4355955-$ or US-6752595-$).did. or (US-2616509-$ or US-3451644-$ or US-2476002-$).did. or (JP-2006258083-$).did. or (US-4764090-$ or DE-4434764-$ or SU-1281740-$ or DE-3434050-$ or US-4082479-$).did. | | | | |
|---|---|---|---|---|---|---|
| S44 | 20 | S43 and wind (speed or velocity) same (control or measure) | US-PGPUB; USPAT; USOCR; JPO; DERWENT | ADJ | ON | 2009/05/05 10:02 |
| S45 | 2 | "4,264,279".pn. | US-PGPUB; USPAT; USOCR; JPO; DERWENT | ADJ | ON | 2009/05/05 10:20 |
| S46 | 24 | ("1835018" | "4052134" | "4082479" | "4105363" | "4137009" | "4142822" | "4180367" | "4247252" | "4247253" | "4248568" | "4255085" | "4264279" | "4285636" | "4293279" | "4368392").PN. OR ("4415312").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/05 10:21 |
| S47 | 0 | (416/Dig4).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/05/05 10:50 |
| S48 | 167 | (416/Dig.4).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/05/05 10:50 |
| S49 | 167 | (416/dig.4).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/05/05 17:27 |
| S50 | 5 | (416/dig.7).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/05/05 17:33 |
| S51 | 38 | "860930" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | ADJ | ON | 2009/05/06 08:50 |
| S52 | 1 | ("4,115,032").PN. | US-PGPUB; USPAT | OR | OFF | 2009/05/06 09:43 |
| S53 | 1 | ("4,117,009").PN. | US-PGPUB; USPAT | OR | OFF | 2009/05/06 09:45 |

| S54 | 1 | ("4,994,684").PN. | US-PGPUB;<br>USPAT | OR | OFF | 2009/05/06<br>09:49 |
|---|---|---|---|---|---|---|
| S55 | 1 | ("5,083,039").PN. | US-PGPUB;<br>USPAT | OR | OFF | 2009/05/06<br>09:55 |
| S56 | 1 | ("4,715,782").PN. | US-PGPUB;<br>USPAT | OR | OFF | 2009/05/06<br>10:04 |
| S57 | 1 | ("4,710,101").PN. | US-PGPUB;<br>USPAT | OR | OFF | 2009/05/06<br>10:06 |
| S58 | 0 | ("2006140764").PN. | US-PGPUB;<br>USPAT | OR | OFF | 2009/05/06<br>10:25 |
| S59 | 0 | "2006140764" | US-PGPUB;<br>USPAT | ADJ | ON | 2009/05/06<br>10:25 |
| S60 | 50 | "140764" | US-PGPUB;<br>USPAT | ADJ | ON | 2009/05/06<br>10:25 |
| S61 | 9 | "140764" and "2006" | US-PGPUB;<br>USPAT | ADJ | ON | 2009/05/06<br>10:26 |
| S62 | 5 | wind turbine control and<br>lidar wind speed<br>measurement | US-PGPUB;<br>USPAT | ADJ | ON | 2009/05/06<br>10:26 |
| S63 | 1 | ("4423333").PN. | US-PGPUB;<br>USPAT | OR | OFF | 2009/05/06<br>10:32 |
| S64 | 1 | ("4355955").PN. | US-PGPUB;<br>USPAT | OR | OFF | 2009/05/06<br>14:06 |
| S65 | 0 | ("0730,060").PN. | FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/05/06<br>14:08 |
| S68 | 192 | ("416".clas. or "290".clas.)<br>and wind turbine and<br>((velocity or speed) with<br>(setpoint or set$point or<br>set point or lower limit or<br>prescribed or cut$in or<br>cutin or cut in)) | US-PGPUB;<br>USPAT | ADJ | ON | 2009/05/06<br>14:22 |
| S69 | 206 | ("416".clas. or "290".clas.)<br>and wind turbine and<br>((velocity or speed) with<br>(setpoint or set$point or<br>set point or lower limit or<br>prescribed or cut$in or<br>cutin or cut in or cut out<br>or cut$out or cut out)) and<br>control | US-PGPUB;<br>USPAT | ADJ | ON | 2009/05/06<br>14:47 |

**5/ 7/ 2009 11:13:41 AM**
**C:\ Documents and Settings\ jprager\ My Documents\ EAST\ Workspaces**
**\ 10594270_vertical_axis_wind_turbine_blade.wsp**